KENNEDY MWANGI KARURU
FULL STACK SOFTWARE ENGINEER

PERSONAL DATA

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D.O.B: 2nd March 1995
Gender: Male
City: Nairobi, Kenya
Languages: English (Fluent) & Swahili (Fluent)

OBJECTIVE:

Dedicated and enthusiastic Full Stack Software Engineer with a strong foundation in web development and a passion for creating innovative solutions. Seeking this position to apply my skills and contribute to a dynamic development team while continuing to grow and expand my knowledge in software engineering.

EDUCATION:

1. **Date:** September 2022 – November 2023
   Institution: ALX-Africa
   Full Stack Software Engineer

2. **Date:** January 2017 – December2023
   Institution: Jodan College of Technology
   Certificate in Motor Vehicle Mechanics

3. **Date:** November 2014
   Institution: Petanns Computer College
   Computer Packages

4. **Date:** January 2010 – November 2013
   Institution: Mukerenju Secondary School

CERTIFICATIONS:

1. **Date:** November 2023
   Institution: freeCodeCamp.
   Responsive Web Design
   https://www.freecodecamp.org/certification/Ken_mwas/responsive-web-design

SKILLS:

Programming Languages: **JavaScript, HTML5, CSS3, Python, C**
Front-End Development: **HTML, CSS, JavaScript, React.js, AngularJS**
Back-End Development: **Node.js, Python Flask, Django**
Database Systems: **MySQL, SQLite**
Version Control: **Git**
Server Management: **Apache, Nginx**
Testing and Debugging: **Mocha, Pytest, Chrome DevTools**
Agile Methodologies: **Scrum, Trello**
Other Tools and Technologies: **RESTful APIs, GraphQL, Bootstrap, jQuery, Visual Studio Code**

PROJECTS:

A. Airbnb Clone:

- Developed a responsive web application using flask and styled components to mimic the functionality and design of Airbnb.
- Implemented features such as property search, booking, and user authentication using Firebase.
- Collaborated with a team of developers to ensure efficient code integration and project completion.

B. Printf Clone:

- Created a command-line tool using C to replicate the functionality of the printf function in C programming.
- Developed support for various data types and formatting options.
- Implemented error handling and performed extensive testing to ensure accuracy and reliability.
- Demonstrated proficiency in C programming and understanding of low-level concepts.

C. News Website with React and Django:

- Built a news website using React.js for the front end and Django for the back end.
- Developed the user interface using React components and styled with CSS.
- Created RESTful APIs with Django to handle user authentication, article creation, and data retrieval.
- Integrated a SQLite database to store articles and user information.
- Implemented pagination and search functionality for efficient content navigation.
- Collaborated with the team to develop and maintain front-end and back-end functionalities.
- Participated in code reviews and provided valuable feedback on code quality and optimizations.

- Worked with version control systems like Git to manage codebase and collaborated on the team's repository.
- Gained exposure to Agile methodologies and participated in daily stand-up meetings and sprint planning sessions.

D. <u>Shoppers - Ecommerce Website (Full Stack) - In Progress:</u>
- Currently developing a feature-rich ecommerce website, "Shoppers," using React.js for the front end and Django for the back end.
- Designing and implementing a responsive user interface with React components and CSS, ensuring optimal user experience across devices.
- Creating RESTful APIs with Django to handle essential functionalities such as user authentication, product listings, shopping cart management, and order processing.
- Integrating a PostgreSQL database to securely store product information, user data, and order details.
- Implementing robust pagination and search functionality to enhance the user experience for efficient product discovery.
- Conducting ongoing code reviews, providing constructive feedback on code quality, and contributing to optimizations for better efficiency.
- Utilizing version control systems like Git to manage the codebase, enabling effective collaboration within the team.
- Actively participating in Agile methodologies, including daily stand-up meetings and sprint planning sessions to ensure project milestones are met.

<u>Additional Skills and Qualifications:</u>

- Strong problem-solving skills and ability to quickly learn new technologies and programming languages.
- Familiarity with responsive web design principles and mobile-first development.
- Knowledge of software development lifecycle (SDLC) and familiarity with software engineering principles and practices.
- Excellent communication skills and ability to work effectively in a team-oriented environment.